JAMECO
ELECTRONIC COMPONENTS
COMPUTER PRODUCTS

Part No. 101362
Product No. SDA3021
Skynet 17 Watt Switching Power Supply

1355 Shoreway Rd., Belmont, CA 94002 • Tel: 415-592-8097 • Fax: 415-592-2503 • BBS: 415-637-9025

Features:

Output: +5VDC @ 2A; +12VDC @ 0.3A; -12VDC @ 0.3A

Input: 115VAC @ 0.5A or 230VAC @ 0.3A
50/60 Hz

Auto switch input

Molex style input & output connectors

Size: 2.75"L x 5.125"W x 1"H

Weight: 0.31 lbs.

Agency Approvals

TÜV Rheinland

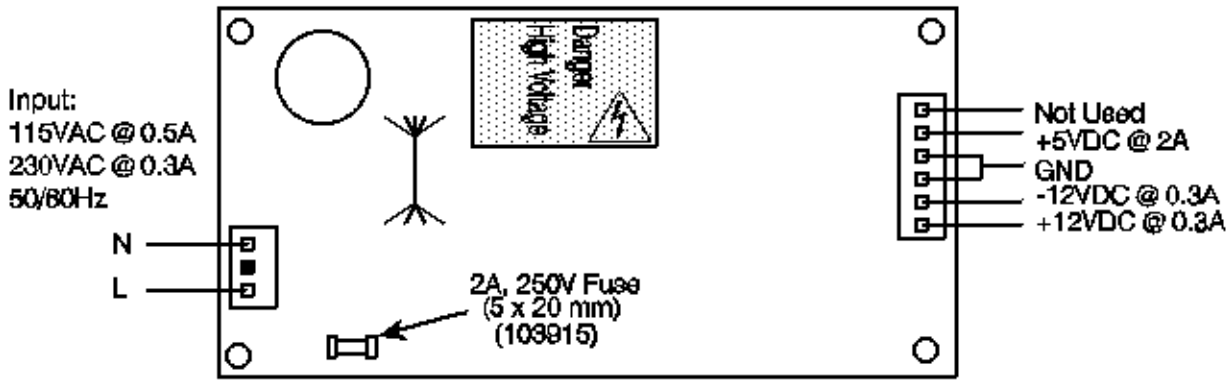
Compatible Products

Input mating connector: 104432 - 3 pin female connector housing

Output mating connector: 104731 - 6 pin female connector housing

Note: use 104774 pins and 99442 crimp tool for both connectors

Fuse: 2A, 250V, 5 x 20 mm (103915)



Suggested minimum load is 10% of the rated output current for each output

GENERAL SPECIFICATIONS

Input voltage ..... 90VAC to 260 VAC

Input frequency ..... 47Hz to 63Hz
Inrush current(Cold) .....15A at 115VAC
30A at 230VAC
Operating temperature ..... 0 to 50°C
Storage temperature ..... -20°C to +85°C
Cooling ..... Free air convection
Holdup time .....16ms(115VAC)
Power good .....100ms ~500ms
Power fail ..... >3ms

Over voltage type ..... Crowbar
Trip point 6.2V +/- 0.5V

Overload protection ..... Hiccup

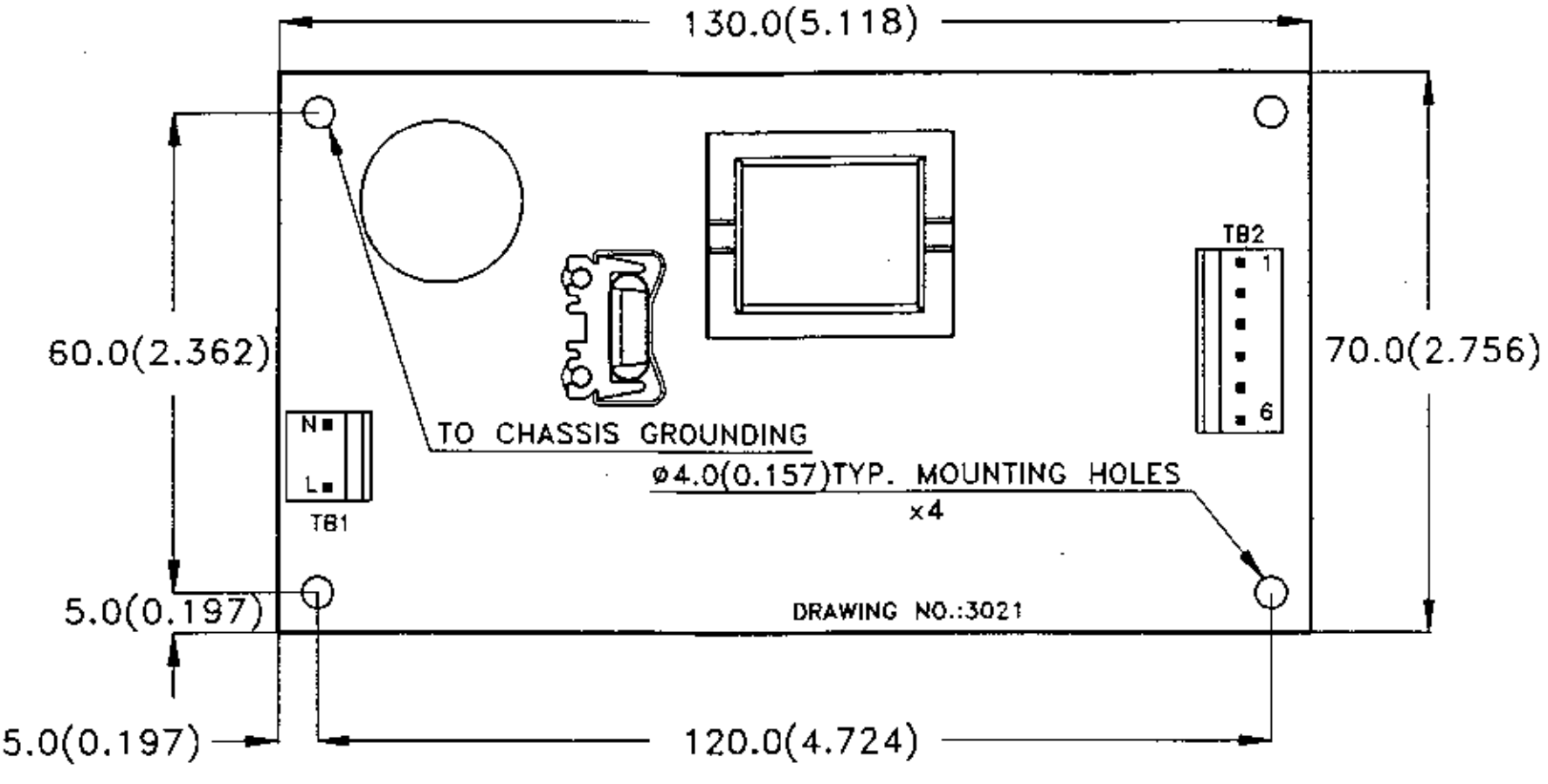
Switching frequency ..... . >35KHz
Designed comply with .....
UL 478,1012,1950
CSA 22.2
VDE 0806,IEC950
EMI ..... Meet FCC class "B"

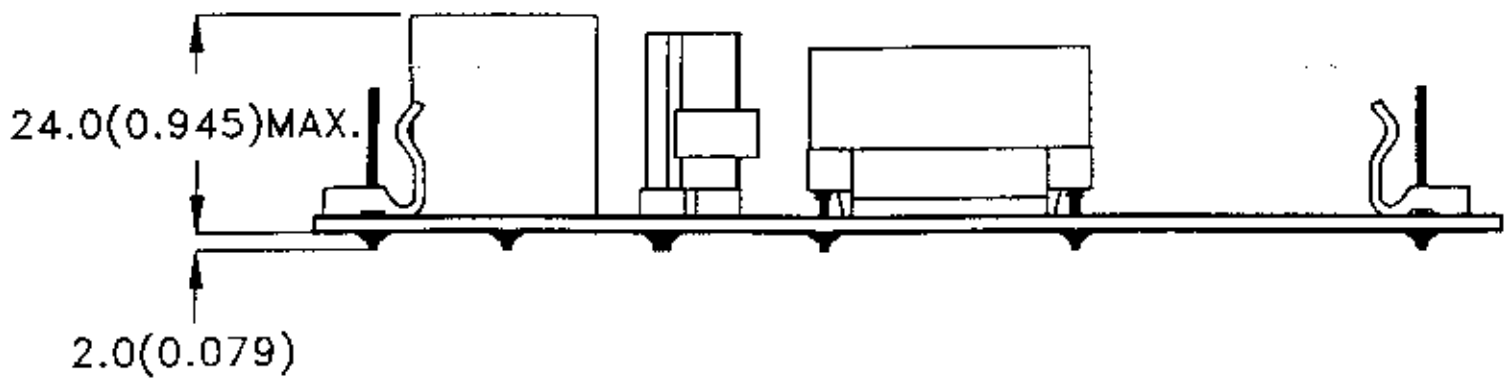
OUTPUT SPECIFICATIONS (at 25 ℃)

OUTPUT VOLTAGE	LOAD			CENTER VOLTAGE			RIPPLE NOISE.	LOAD REG. RANGE		LINE REG. RANGE		EFFICIENCY	
	MIN.	RATED	PEAK	MIN.	TYP.	MAX.		MIN.	MAX.	MIN.	MAX.	MIN	MAX
+5V	0A	2A	2.5A	4.98	5.01	5.04	50mv	4.97	5.04	4.97	5.04	74%	77%
+12V	0A	0.3A	0.4A	12.39	12.54	12.69	30mv	12.28	12.87	12.52	12.76		
-12V	0A	0.3A	0.4A	-12.43	-12.56	-12.70	30mv	-12.31	-12.89	-12.54	-12.77		

Note:
1. Each output can provide up to maximum load for temporary. continuous staying in more than rated load will sacrifice the reliability.
1. +5V output is adjusted 4.98 to 5.02 at 60% rated load at factory.
2. Center voltage is measured with all outputs at 60% rated load.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured by +/- 40% load change from 60% rated load, and all other outputs is kept at 60% rated load.
5. Ripple & noise is measured at rated load by using 1:1 proble, 15MHZ band width limited oscilloscope. (Lecroy model 9410)
6. Efficiency is measured at rated load.
7. Power Good Signal is a TTL low to high signal after output voltages are ready.
8. Power Fail Signal is a TTL high to low signal before output voltages drop down to specification low limit.

機構規格
MECHANICAL SPECIFICATION





NOTES:

1. DIMENSIONS SHOWN IN:MM(INCH)
   TOLERANCE:±0.4 MM
2. CONNECTORS:
   TB1:AC INPUT (MOLEX 5277-2 OR EQUIVALENT)
   TB2:DC OUTPUT (MOLEX 5273-6 OR EQUIVALENT)
3. DC OUTPUT PIN ASSIGNMEENT:

PIN / MODEL	1	2	3	4	5	6
SDA-3021	P.G.	5V	GND	GND	-12V	12V